

CLAIMS

1 - Method for manufacturing parts that are
molded then forged comprising one or more recesses,
characterised in that it implements the following
phases:

- a foundry preform is created that includes
one or more pierced or blind recesses or cavities
that match the useful or required shapes of an end
part to be obtained;

- the preform is transferred to a tunnel
furnace that ensures a uniform temperature of said
preform;

- the foundry preform is positioned in a
heading die disposed on a press;

- at least one multidirectional rod is
introduced into at least one of a recess and a cavity
of the foundry preform, according to a command prior
to the forging operation;

- a heading operation is preformed on the
preform that receives the at least one rod to create
a forged preform, when the at least one rod is
temporarily positioned inside the at least one of a
recess and a cavity.

- an upper forging die is raised to free the
forged preform;

- the at least one rod positioned in the at
least one of a recess and a cavity is withdrawn; and

- the forged preform is removed.

2 - Installation to implement the method of
claim 1 characterised in that it comprises one or
more multidirectional rod translation mechanisms
positioned around the heading die receiving the
foundry preform, said at least one rod being intended
to be positioned temporarily in the foundry preform

through the corresponding at least one of a recess and a cavity in order to be subjected to the forging operation, and in that the translation movements are performed using cylinder-type control means (5).

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